

Abstract of the Disclosure

A system and a method for managing persistent connections in a computer network environment to reduce web page service latency. This invention employs a connection management interface (CMI) device that intermediates between a client and servers and, whenever possible, maintains a persistent connection with the client and with the server. The CMI device enables the client to see a persistent connection even where the server cannot support a persistent connection, for instance, when a reply contains dynamic content, by buffering the reply from a server and rewriting the data packet header such that a persistent connection between the CMI device and client can be maintained. The CMI device also reduces latency in processing serial requests from a client by distributing these requests to various servers or server processes.